

AMENDMENTS TO THE CLAIMS

1-36. (Canceled)

37. (Currently amended) An expression vector comprising a nucleotide sequence encoding ~~human 5T4 antigen, wherein said human 5T4 antigen is modified to differ from a naturally occurring 5T4 antigen~~ comprises an HLA CTL peptide epitope of human 5T4 antigen wherein the peptide epitope is selected from the group consisting of SEQ ID NOs: 5-17, and wherein the modified human 5T4 antigen is a peptide fragment between 5 and 25 amino acids in length and is capable of inducing an antitumor immunotherapeutic response in a subject.

38-47. (Canceled)

48. (Currently amended) A pair of vectors for priming and boosting an immune response to human 5T4 antigen in a subject, said pair of vectors comprising a first vector which is a vector according to claim 37 and a second vector comprising a nucleotide sequence encoding a human 5T4 antigen, wherein said second vector is a poxvirus vector.

49. (Previously presented) The pair of vectors according to claim 48, wherein said first vector is a poxvirus vector.

50. (Previously presented) The pair of vectors according to claim 48, wherein the first vector is MVA.

51. (Previously presented) The pair of vectors according to claim 48, wherein the second vector is MVA.

52. (Canceled)

53. (Currently amended) The pair of vectors according to claim 48, wherein said human 5T4 antigen encoded by said second vector comprises ~~is modified to differ from a naturally occurring 5T4 antigen and comprises~~ an HLA CTL peptide epitope selected from the group consisting of SEQ ID NOs: 5-17 of 5T4 antigen, and wherein the modified human 5T4 antigen is a peptide fragment between 5 and 25 amino acids in length.

54. (New) An expression vector comprising a nucleotide sequence encoding a peptide, wherein the amino acid sequence of the peptide consists of a sequence selected from the group consisting of SEQ ID NOs: 5-19.

55. (New) An expression vector comprising a nucleotide sequence encoding a peptide fragment of human 5T4 up to 25 amino acids in length, wherein the peptide fragment comprises an amino acid sequence selected from the group consisting of SEQ ID NOs: 5-17.

56. (New) An expression vector comprising a nucleotide sequence encoding a peptide fragment of human 5T4 up to 25 amino acids in length, wherein the peptide comprises an amino acid sequence selected from the group consisting of SEQ ID NOs: 5-17,

with the proviso that where the selected sequence is SEQ ID NO: 17, positions 1 and 7 may be tyrosine (Y) and alanine (A), respectively (SEQ ID NO: 18); and

with the proviso that where the selected sequence is SEQ ID NO: 11, positions 3 and 7 may be leucine (L) and alanine (A), respectively (SEQ ID NO: 19).